

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

Attorney's
Docket
Number CRP-008

Declaration and Power of Attorney For Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Product and Process For The Production, Isolation and Purification of Recombinant Polypeptides the specification of which

(check one)

☒ is attached hereto.

☐ was filed on _____ as
Application Serial No. _____
and was amended on _____
(if applicable)

I do not know and do not believe that the subject matter of this application was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to the date of this application, and that said subject matter has not been patented or made the subject of an issued inventor's certificate in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months prior to the date of this application; that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

complete (d) or (e)

(d) ☒ no such applications have been filed.

(e) ☐ such applications have been filed as follows

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Country	Application Number	Date of Filing (month,day,year)	Priority Claimed Under 37 USC 119	
			<input type="checkbox"/> YES	NO <input type="checkbox"/>
			<input type="checkbox"/> YES	NO <input type="checkbox"/>
			<input type="checkbox"/> YES	NO <input type="checkbox"/>
			<input type="checkbox"/> YES	NO <input type="checkbox"/>
			<input type="checkbox"/> YES	NO <input type="checkbox"/>

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

John A. Lahive	Reg. No. 19,788	Thomas J. Engellenner	Reg. No. 28,711
W. Hugo Liepmann	Reg. No. 20,407	David J. Powsner	Reg. No. 31,868
James E. Cockfield	Reg. No. 19,162	Ellen L. Joy	Reg. No. 32,245
Mark A. Lappin	Reg. No. 26,618	William C. Geary III	Reg. No. 31,359
Edmund R. Pitcher	Reg. No. 27,829	Michael I. Falkoff	Reg. No. 30,833
Thomas V. Smurzynski	Reg. No. 24,798	David A. Jacobs	Reg. No. 31,770
Ralph A. Loren	Reg. No. 29,325		

Send Correspondence to: Edmund R. Pitcher, Reg. No. 27,829
Lahive & Cockfield, 60 State Street, Suite 510
Boston, MA 02109

Direct Telephone Calls to: (name and telephone number)

Edmund R. Pitcher - 617 - 227-7400

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor

James S. Huston 40100

Inventor's signature

✓ JSH

James S. Huston

Date

✓ 3-18-87

Residence

41 Whittemore Road, Newton, MA 02158

Citizenship

USA

Post Office Address

41 Whittemore Road, Newton, MA 02158

Full name of second inventor, if any

Marc F. Charette

40200

Inventor's signature



Date

19 MARCH 87

Residence

841 LaGrange Street, West Roxbury, MA 02132

Citizenship

USA

Post Office Address

841 LaGrange Street, West Roxbury, MA 02132

Full name of third inventor, if any

Charles M. Cohen

40300

Inventor's signature



Date

18 March 1987

Residence

98 Winthrop Street, Medway, MA 02053

Citizenship

USA

Post Office Address

98 Winthrop Street, Medway, MA 02053

Full name of fourth inventor

Roberto Crea

40400

Inventor's Signature



Date

18 March 1987

Residence

65 East India Row, 9B, Boston, MA

Citizenship:

Italy

Post Office Address

65 East India Row, 9B, Boston, MA

^{fifth}
Full name of ~~second~~ inventor, if any

Peter C. Keck 40500

Inventor's signature

✓ PCK

Peter C. Keck ✓

Date

3/18/87

Residence

50 Dolan Road, Millbury, MA 01527

Citizenship

USA

Post Office Address

50 Dolan Road, Millbury, MA 01527

^{sixth}

Full name of ~~XXXX~~ inventor, if any

Hermann Oppermann 40600

Inventor's signature

✓ HO H. Oppermann

Date

3/18/87

Residence

25 Summer Hill Road, Medway, MA 02053

Citizenship

USA

Post Office Address

25 Summer Hill Road, Medway, MA 02053

Full name of seventh inventor

David C. Rueger 40700

Inventor's signature

✓ PCK David C. Rueger ✓

Date

3/18/87

Residence

150 Edgemere Road, Apt. 4, West Roxbury, MA 02132

Citizenship

USA

Post Office Address

150 Edgemere Road, Apt. 4, West Roxbury, MA 02132

Full name of eighth inventor

Richard J. Ridge 40800

Inventor's signature

✓ RJR Richard J. Ridge ✓

Date

3/18/87

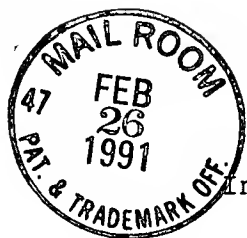
Residence

23 Davis Road, C2, Acton, MA 01720

Citizenship

United Kingdom

P.O. Address: 23 Davis Road, C2, Acton, MA 01720



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Huston et al.

Divisional Application of Serial No. 07/462,297 filed
December 28, 1989

Art Unit 185

For: Product and Process for the Production, Isolation and
Purification of Recombinant Polypeptides

Power of Attorney

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

The assignee of the divisional application for the above-
referenced case hereby appoints the following attorney to
prosecute the present application and transact all business
in the Patent and Trademark Office therewith.

Paul G. Lunn, Esq.

301 Reg. No. 32,743

Respectfully submitted,

Wayne Mayhew
Vice-President
Creative Biomolecules
35 South Street
Hopkinton, MA 01748

BEST AVAILABLE COPY

1. 5,013,653, May 7, 1991, Product and process for introduction of a hinge region into a fusion protein to facilitate cleavage; James S. Huston, et al., 435/69.7, 69.1, 71.1, 172.3; 530/350, 412; 536/27 [IMAGE AVAILABLE]

=> s fusion# or hybrid# or chimera?

22930 FUSION#

17966 HYBRID#

264 CHIMER#

L2 39781 FUSION# OR HYBRID# OR CHIMER#

=> s protein# or peptide# or gene# or polypeptide#

34430 PROTEIN#

10:18E071C00Y20ND6CLEAR PAGEU. PLEASEnt & Trademark Office

P0003

9517 PEPTIDE#

3628 GENE#

3455 POLYPEPTIDE#

L3 40093 PROTEIN# OR PEPTIDE# OR GENE# OR POLYPEPTIDE#

=> s 12(a)13

L4 608 L2(A)L3

=> s 14(p)hinge

59817 HINGE

L5 7 L4(P)HINGE

=> d 1-7

1. 5,013,653, May 7, 1991, Product and process for introduction of a **hinge** region into a **fusion** **protein** to facilitate cleavage; James S. Huston, et al., 435/69.7, 69.1, 71.1, 172.3; 530/350, 412; 536/27 [IMAGE AVAILABLE]

2. 5,011,691, Apr. 30, 1991, Osteogenic devices; Hermann Oppermann, et al., 424/423, 426; 514/2, 21; 530/350, 395, 840 [IMAGE AVAILABLE]

3. 4,833,080, May 23, 1989, Regulation of eucaryotic gene expression; Roger Brent, et al., 435/172.3, 69.9, 91, 255, 317.1, 320.1; 536/27; 935/29, 32, 33, 34, 56, 69

4. 4,638,049, Jan. 20, 1987, Antitumor protein hybrid and process for the preparation thereof; Yasuhiko Masuho, et al., 530/386

5. 4,450,154, May 22, 1984, Antitumor hybrid and process for the preparation thereof; Yasuhiko Masuho, et al., 530/388, 377, 395, 408
10:18E071C00Y20ND6CLEAR PAGEU. PLEASEnt & Trademark Office

P0004

6. 4,357,273, Nov. 2, 1982, Antitumor protein hybrid and process for the preparation thereof; Yasuhiko Masuho, et al., 530/386; 435/172.2; 514/12; 527/203; 530/392, 806, 825; 935/107, 108

7. 4,250,526, Sep. 21, 1982, Antitumor hybrid and process for the preparation thereof; Yasuhiko Masuho, et al., 530/390; 435/172.2; 935/107

=> d 3

8. 4,751,180, Jun. 14, 1988, Expression using fused genes providing for protein product; Lawrence S. Cousens, et al., 435/69.7, 172.2, 180, 255, 330, 320.1; 536/27; 930/310; 935/28, 37, 47, 48, 60, 69

=> log y

U.S. Patent & Trademark Office LOGOFF AT 10:36:56 ON 16 SEP 91

BEST AVAILABLE COPY

12. 1,743,579, May 10, 1988, Process for producing human epidermal growth factor and analogs thereof; Charles M. Cohen, et al.; 530/350, 350; 930/100, 250, 300; 930/47, 48

13